

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"Coherent and incoherent interactions on nuclei induced by hadrons and photons"
by P.G. Rancoita / CERN-Milan

Abstract : The spectrometer of FRAMM experiment at CERN-SPS is well suited to study both coherent and incoherent multiparticle production on nuclei. A further aim is to study the coherent photoproduction of pseudoscalar mesons by Primakoff effect and of vector mesons by nuclear diffractive photoproduction.

TUESDAY 9 NOVEMBER

ISR SEMINAR

at 14.30 hrs - ISR Auditorium

"Polarization/Depolarization Effects in Electron Storage Rings"
by A. Chao / Stanford Linear Accelerator Center

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Neutral currents and parity non-conservation in atoms" -
by P.G.H. Sandars / University of Oxford

WEDNESDAY 10 NOVEMBER

ISR COMMITTEE

at 9.30 hrs - Council Chamber

Open Session :

1. Information from the Research Director-General, L. Van Hove.
2. Status report by A. Zichichi on Experiment R 406, Search for New Particles at the ISR.
3. Status report by A. Kernan and D. Schinzel on Experiment R 606, Search for Muon-Electron Coincidences and Hadronic States of New Particles at the ISR.

at 11.30 hrs (to continue in the afternoon)
6th Floor Conference Room, Administration Building

Closed Session.

THURSDAY 11 NOVEMBER

CERN COLLOQUIUM

at 16.30 hrs - Auditorium

"The number of observational phenomena in the universe"
by M. Harwit / Cornell University, Ithaca and Max Planck Institut für Radioastronomie, Bonn

Abstract : The content of our universe places limitations on how many varieties of observations we can undertake. From this and from the number of astronomical phenomena observed so far, we can make an estimate of the number of astronomical discoveries that we can hope to make in the future.

MONDAY 15 NOVEMBER

EP SEMINAR

at 11.00 hrs - EF Conference Room
(Lab.13-R.2-005)

"What can we learn about quark-interactions from the properties of mesons ?"
by Ch. de La Vaissiere / CERN

Abstract : If quarks are coloured and interact by exchanging vector gluons which are unitary scalars, this should have consequences on the meson mass matrix. Adopting this type of interaction, the usual meson spectroscopy will be discussed. For example, close relationship will be found between the degree of violation of the Zweig rule and the mass splitting of iso-vector and iso-scalar mesons.

CERN NUCLEAR PHYSICS SEMINAR

at 16.00 hrs - Theory Conference Room

"Study of exclusive neutron reactions and coherent proton-deuteron processes at the ISR"
by C. Conta / CERN-Pavia

Abstract : Preliminary results on single and double neutron diffraction dissociation in p-d and d-d collisions at the ISR using the Split Field Magnet detector will be reviewed. The experimental programme of the CERN-Pavia collaboration using deuterons at the ISR will be presented and discussed.

TUESDAY 16 NOVEMBER

CERN PARTICLE PHYSICS SEMINAR

at 16.30 hrs - Auditorium

"Polarization measurement in $\bar{p}p \rightarrow \pi^- \pi^+$ and the formation of heavy mesons"
by E. Eisenhandler / Queen Mary College, University of London

TRAINING AND **EDUCATION** **ENSEIGNEMENT**

JEUDI 11 NOVEMBRE

ENSEIGNEMENT GENERAL

de 13h00 à 13h30 - Amphithéâtre

Science pour Tous, par R. Carreras

Programme :

1. En bref
 - a. Vu, lu et entendu.
 - b. Les muons, catalyseurs de la fusion nucléaire ?
 - c. Betulia et Hidalgo sont peut-être les têtes charbonneuses de comètes mortes.
2. Question

Pour mesurer la distance qui nous sépare d'une galaxie donnée, une nouvelle méthode vient d'être proposée. Elle n'utilise, en

principe, que deux informations :
1) la vitesse de rotation de la galaxie (donnée par la radio-astronomie), 2) l'intensité de la lumière qui nous en parvient (donnée par l'astronomie optique). Sur quel raisonnement peut bien s'appuyer cette méthode ?

3. Thème principal (pour détails, voir affiche)

"Le tremblement de terre du 4 février 1976 au Guatemala".

NOVEMBER 16, 17, 18 & 19

ACADEMIC TRAINING

at 11.00 hrs - Auditorium

"Comparison of deep inelastic scattering of μ , e and ν 's"

by E. Gabathuler / Rutherford Laboratory and CERN

Abstract : The lectures are intended to provide a survey of the experimental data from lepton-nucleon interactions within the framework of the quark-parton model of deep inelastic scattering indicating where the theory has been successful and where there are areas of disagreement.

The scaling concept describing the electromagnetic and weak interaction will be developed in simple terms and a comparison of the data will be used to illustrate what can be learned about the nucleon by using different probes on different targets. Sum rules for the spin dependent and spin independent structure functions will be discussed, as well as those features of the final hadronic state which can provide evidence for the quark-parton model.

The lectures are intended primarily for experimentalists who are not familiar with this field of physics. A detailed knowledge of asymptotically free gauge theories is not required for this course.

WEDNESDAY 17 NOVEMBER

ACADEMIC TRAINING

at 16.30 hrs - Auditorium

"General Science Monthly Cross-Section"
by R. Carreras

Abstract : The main purpose of these monthly lectures is to provide the scientific and the technical staff with regular information on what is going on in science outside high energy physics and related fields.

The lectures are mainly based on a number of papers, articles and news items published the previous months.

INFORMATIONS

GENERALES

GENERAL INFORMATION

AVIS DE DECES

Nous avons le regret d'annoncer le décès de Monsieur René GALAND survenu le 28 octobre 1976 à la suite d'un accident.

Monsieur GALAND est entré au CERN en février 1958. Pendant douze années il a travaillé à la Division SB avant d'être transféré à la Division HS. Monsieur GALAND laisse une femme et deux filles.

Les directeurs généraux ont envoyé un message de condoléances de la part du personnel du CERN à la famille.

Division du Personnel

SPECIAL CONCERT

Friday 19 November at 20.30 hrs - Auditorium

by the pianist Bruno Leonardo GELBER

(Works by Brahms, Liszt and Moussorgsky)

to inaugurate the Steinway piano recently purchased by the CERN Choir and Orchestra with the help of the Staff Association.

Concert organized by the CERN Concerts with the financial support of the Direction.

Tickets at 10.-frs on sale from the 8th November from G. Adam (SPS) - Tel. 4813 or on the night.

DEUTSCHE SCHULE

Die deutsche Schule in Genf hat ihre neuen Klassenräume in der Avenue de Châtelaine 91 bezogen. Mit den angestiegenen Lehr- und Verwaltungsaufgaben sucht der Schulverein als Träger der Schule noch Fachlehrer sowie einen Buchhalter (evtl. Halbtags) deutscher Muttersprache. Nähere Auskünfte erteilt die Deutsche Schule Genf, Tel. 96.74.03.

Division du Personnel

DEUTSCH FÜR DEUTSCHSPRACHIGE AM LYCEE INTERNATIONAL

Herr E. Oertel, Oberstudienrat am Lycée international in Ferney-Voltaire richtet eine Einladung an alle interessierten CERN-Angehörigen im Rahmen einer Elternversammlung.

Thema : Der Unterricht "Deutsch für Deutschsprachige" am Lycée international in Ferney-Voltaire.
Zeit : Dienstag, den 9. November 1976 um 20h00.
Ort : Salle de permanence, bâtiment CES des Lycees von Ferney-Voltaire.

Division du Personnel
Tél. 2486

OBJETS TROUVES EN OCTOBRE 1976

A réclamer au Service de sécurité

- Le 8.10.76, une petite somme d'argent trouvée entrée Rest. No.1;
- Le 8.10.76, une petite somme d'argent trouvée devant l'entrée du bâtiment de l'Administration;
- Le 13.10.76, un porte-monnaie trouvé aux PTT;
- Le 20.10.76, une paire de lunettes trouvée hall 180;
- Le 21.10.76, un carnet d'adresses trouvé aux PTT;
- Le 21.10.76, un trousseau de clefs trouvé aux dortoirs;
- Le 22.10.76, un porte-monnaie trouvé bloc 3, aile A, au SPS;
- Le 25.10.76, un porte-monnaie trouvé sur le site;
- Le 26.10.76, un trousseau de clefs, une paire de gants, deux calpins trouvés à la cafeteria No.1;
- Le 1.11.76, une alliance marquée "Rosette 1962" trouvée vers le bât.35.